

CLAIMS

1. A slide guiding device comprising:

a slide guiding surface provided on a support member;

a sliding surface provided on a movable slide, which is guided on the slide guiding surface for movement thereon, and slidably movable on the slide guiding surface;

an oil groove with a first supply hole for supplying lubrication oil to a contact surface area between the sliding surface and the slide guiding surface;
and

an oil pocket formed independently of the oil groove for retaining the lubrication oil supplied to the contact surface area between the sliding surface and the slide guiding surface.

2. The slide guiding device as set forth in Claim 1, further comprising:

air discharge means for discharging air from the oil pocket.

3. The slide guiding device as set forth in Claim 1, wherein the oil pocket is provided with a second supply hole for supplying the lubrication oil into the oil pocket.

4. The slide guiding device as set forth in Claim 2, wherein the oil pocket is provided with a second supply hole for supplying the lubrication oil into the oil pocket.

5. The slide guiding device as set forth in Claim 1, wherein the oil pocket is provided close to an end portion of the contact surface area between the sliding surface and the slide guiding surface.

6. The slide guiding device as set forth in Claim 2, wherein the oil pocket is provided close to an end portion of the contact surface area between the sliding surface and the slide guiding surface.

7. The slide guiding device as set forth in Claim 3, wherein the oil pocket is provided close to an end portion of the contact surface area between the sliding surface and the slide guiding surface.

8. The slide guiding device as set forth in Claim 2, wherein the oil groove, the oil pocket and the air discharge means are provided on the sliding surface.

9. The slide guiding device as set forth in Claim 4, wherein the oil groove, the oil pocket and the air discharge means are provided on the sliding surface.

10. The slide guiding device as set forth in Claim 6, wherein the oil groove, the oil pocket and the air discharge means are provided on the sliding surface.